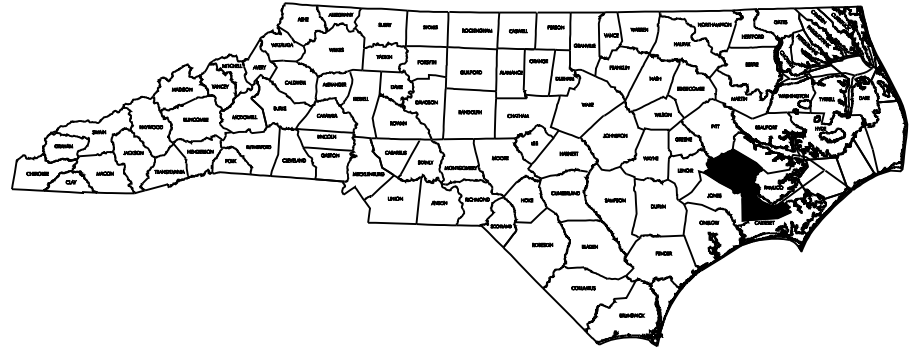


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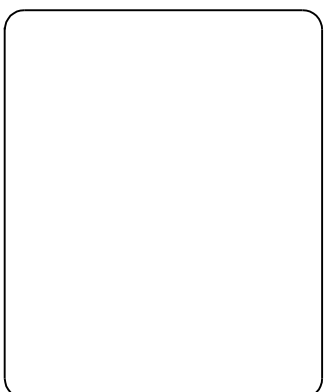
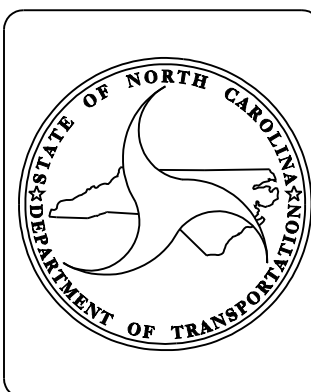
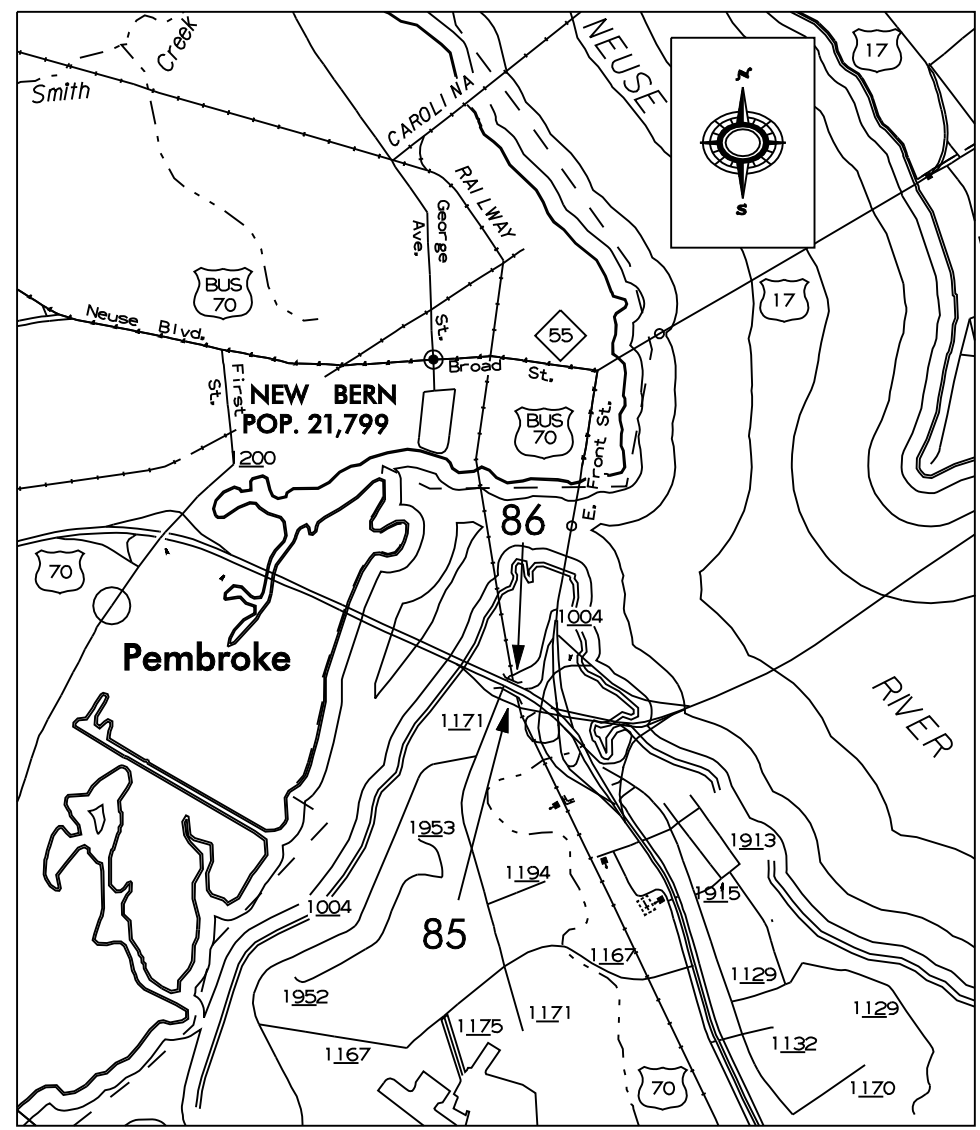
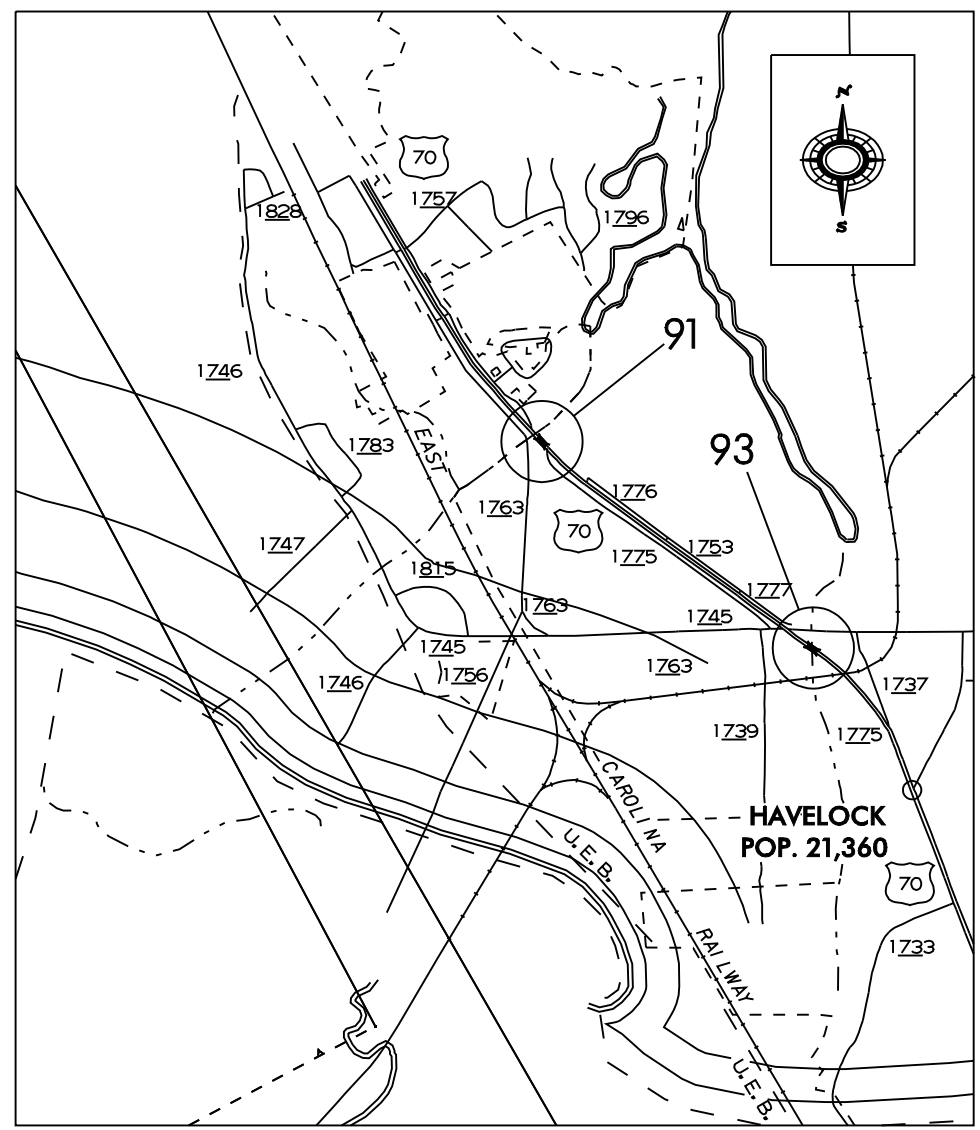
CONTRACT NO: D000081 PROJECT: BK-5102N



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
CRAVEN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BK-5102N	1	
STATE PROJECT NO.	F.A. PROJ. NO.	DESCRIPTION	
42580.1.1	BRNHS-0070(143)	PE	
42580.3.13	BRNHS-0070(143)	CONSTR	

LOCATION: US 70
TYPE OF WORK: BRIDGE PRESERVATION:
CLEANING & PAINTING OF
BRIDGE #85, #86, #91, & #93.



PROJECT LENGTH

Prepared in the Office of:
BRIDGE MANAGEMENT UNIT
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
2006 STANDARD SPECIFICATIONS

LETTING DATE: SEPTEMBER 23, 2010	DAN HOLDERMAN, PE STATE BRIDGE MANAGEMENT ENGINEER
--	---

MIKE SUMMERS
BRIDGE MANAGEMENT
PROJECT MANAGER

NORTH CAROLINA
PROFESSIONAL
SEAL
20208
8/16/10
ENGINEER
ERIC B. NELSON, J.R.

RICK NELSON, PE
DESIGN ENGINEER

8/25/2010
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gkarageorge

TIP PROJECT: BK-5102N

WBS 42580.1.1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
TRAFFIC CONTROL
CRAVEN COUNTY

LOCATION: BRIDGE NO.S 85, 86, 91, AND 93

TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE PAINTING

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -
PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C.,
DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE
CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1150.01	FLAGGING DEVICES
1180.01	SKINNY DRUMS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND INDEX OF SHEETS
TCP-2	GENERAL NOTES
TCP-3	VICINITY MAP AND TRAFFIC CONTROL PHASING
TCP-4	BRIDGE 85 & 86 US 70 OVER HOWELL RD TYPICAL FLAGGER OPERATION
TCP-5	BRIDGE 91 US 70 EAST LEFT LANE CLOSURE
TCP-6	BRIDGE 91 US 70 EAST RIGHT LANE CLOSURE
TCP-7	BRIDGE 93 US 70 EAST RIGHT LANE CLOSURE
TCP-8	BRIDGE 93 US 70 WEST RIGHT LANE CLOSURE

STATE PROJECT REFERENCE NO.

BK-5102N

SHEET NO.

TCP-1

LEGEND

GENERAL

- ← DIRECTION OF TRAFFIC FLOW
↑ NORTH ARROW
■ WORK AREA

TRAFFIC CONTROL DEVICES

- ▨ TYPE III BARRICADE
▲ CONE
● DRUM ⊙ SKINNY DRUM
⚡ FLASHING ARROW PANEL (TYPE C)
├ STATIONARY SIGN
└ PORTABLE SIGN
○ STATIONARY OR PORTABLE SIGN
~ TEMPORARY CRASH CUSHION
◀ CHANGEABLE MESSAGE SIGN
▤ TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
☑ POLICE
■ FLAGGER

APPROVED: *Betsy L. Watson*
DATE: 8/25/10



PLAN PREPARED BY:



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BETSY L. WATSON, PE

TRAFFIC CONTROL ENGINEER

GEORGE KARAGEORGE

TRAFFIC CONTROL DESIGNER

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

LANE CLOSURE TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US 70	6:00 A.M.- 9:00 A.M. MONDAY THRU FRIDAY
US 70	2:30 P.M.- 6:00 P.M. MONDAY THRU FRIDAY

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
ALL ROADS

HOLIDAY

- 1) FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) LANE CLOSURES ARE REQUIRED WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN ANY PORTION OF A TRAVEL LANE. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- D) INSTALL ALL LANE CLOSURES ACCORDING TO THE TRAFFIC CONTROL PLAN, ROADWAY STANDARD DRAWINGS (1101.02), OR AS DIRECTED BY THE ENGINEER.
- E) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- F) INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC. REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- I) PLACE ARROW PANELS ON THE ROADWAY SHOULDER. IF SHOULDERS DO NOT EXIST, PLACE ARROW PANELS WITHIN THE MERGE TAPER BEHIND THE CHANNELIZING DEVICES OF THE LANE CLOSURE. IF NEEDED, EXTEND LANE CLOSURES TO PROVIDE STOPPING SIGHT DISTANCE TO THE ARROW PANEL (REFER TO ROADWAY STANDARD DRAWING 1101.11 SHEET 2).
- J) PLACE LANE CLOSURE DRUMS IN TAPERS AT A MAXIMUM SPACING EQUAL IN FEET TO THE POSTED SPEED LIMIT (MPH). ALONG BUFFER SPACES AND WORK AREAS SPACE DRUMS AT A MAXIMUM SPACING EQUAL IN FEET TO TWICE THE POSTED SPEED LIMIT (MPH). IN ALL CASES, CHANNELIZING DEVICES ARE TO BE SPACED IN SUCH A MANNER AS TO POSITIVELY ACHIEVE THE INTENDED VISUAL CHANNELIZATION. CHANNELIZING DEVICES SHOULD BE Laterally OFFSET 3 FT INSIDE THE CLOSED LANE AS ROOM PERMITS.


FLAGGER OPERATIONS

- K) DURING FLAGGER OPERATIONS DO NOT STOP TRAFFIC FOR MORE THAN 5 MINUTES AT A TIME.
- L) FLAGGER STATIONS SHALL BE LOCATED SUCH THAT APPROACHING TRAFFIC WILL HAVE SUFFICIENT DISTANCE TO STOP AT THE INTENDED STOPPING POINT. IF NEEDED, EXTEND THE LANE CLOSURE SUCH THAT THE FLAGGER STATION IS POSITIONED BEFORE A HORIZONTAL OR CREST VERTICAL CURVE WHERE ADEQUATE STOPPING SIGHT DISTANCE TO THE FLAGGER IS PROVIDED. REFER TO ROADWAY STANDARD DRAWING 1101.11 SHEET 2.
- M) FLAGGERS SHALL NOT STAND IN THE ROADWAY.
- N) USE FLAGGERS TO CONTROL VEHICLES AT INTERSECTIONS OR RAILROAD GRADE CROSSINGS AFFECTED BY THE LANE CLOSURE. USE FLAGGER SIGN W20-7A IN ADVANCE OF ALL FLAGGER STATIONS. WHEN AN INTERSECTION IS SIGNALIZED HAVE AUTHORIZED PERSONNEL PLACE THE SIGNAL IN FLASH MODE WHEN DIRECTED BY THE ENGINEER.
- O) FLAGGER STATIONS SHALL BE ILLUMINATED AT NIGHT.
- P) PLACE CHANNELIZING DEVICES FOR FLAGGER OPERATION LANE CLOSURES AT A MAXIMUM SPACING OF 20 FEET IN TAPERS AND AT A MAXIMUM SPACING OF 80 FEET ALONG THE BUFFER SPACE AND WORK AREA.
- Q) DRUMS OR SKINNY DRUMS MAY BE USED INSTEAD OF CONES AT NO ADDITIONAL COST.
- R) USE PILOT VEHICLES IN CONJUNCTION WITH FLAGGERS WHEN SHOWN IN THE PLAN OR WHEN DIRECTED BY THE ENGINEER. MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A VISIBLE LOCATION ON THE REAR OF PILOT VEHICLES.
- S) ADVISE RESIDENTS AND BUSINESSES AFFECTED BY THE LANE CLOSURE ABOUT METHODS OF SAFE INGRESS AND EGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.

MISCELLANEOUS

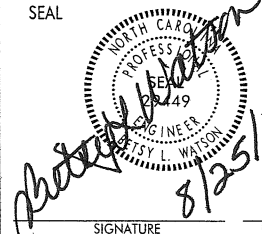
- T) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- U) MAINTAIN SIDEWALK AND DRIVEWAY ACCESS AT ALL TIMES.
- V) ALL DIMENSIONS AND STATIONS IN THE TRAFFIC CONTROL PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- W) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.
- X) IN THE EVENT THAT WORK OPERATIONS ENCROACH INTO RAILROAD RIGHT-OF-WAY COORDINATE THE WORK WITH THE ENGINEER WHO WILL COORDINATE WITH THE RAILROAD AUTHORITY.

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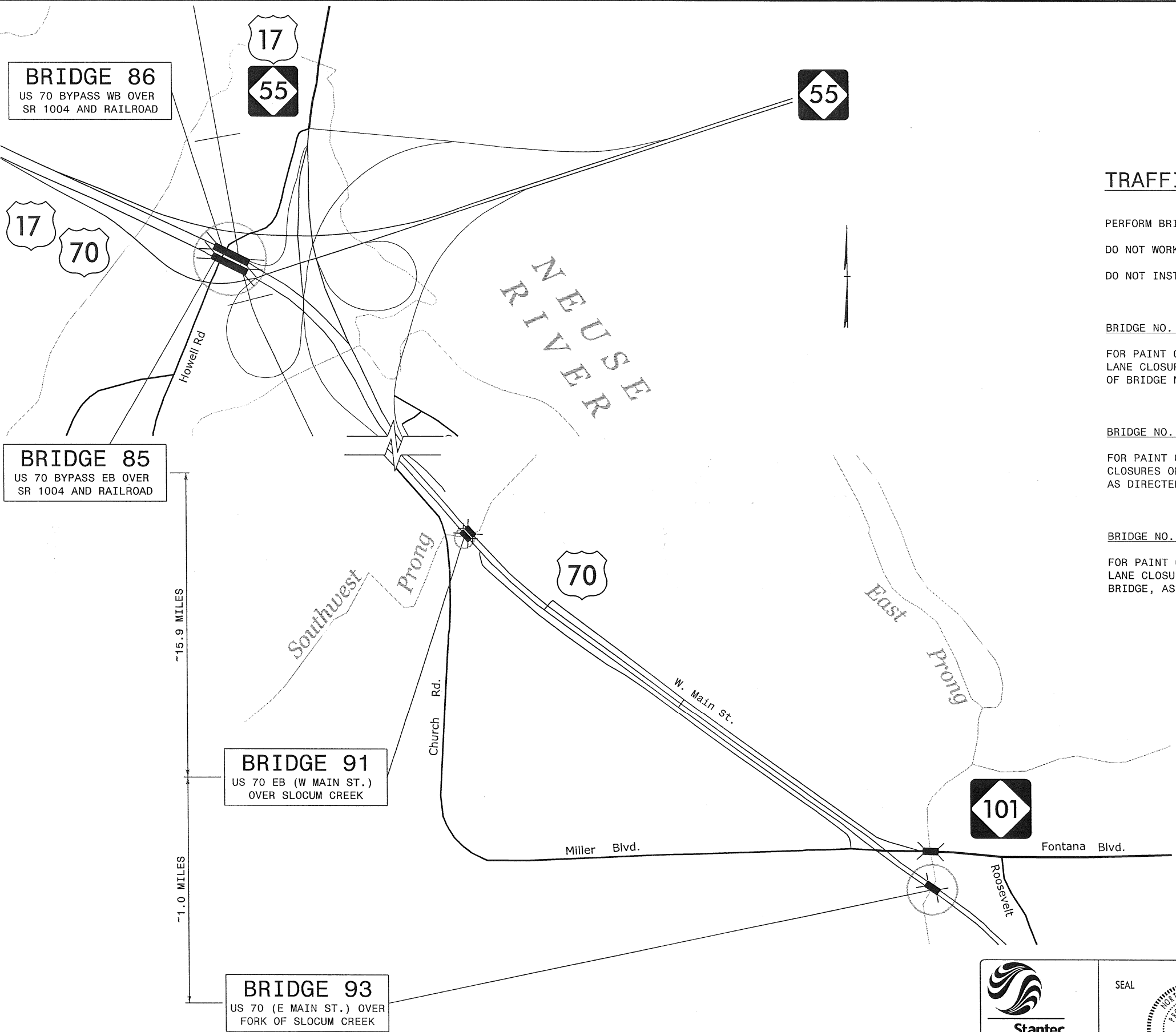
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TRAFFIC CONTROL PHASING

PERFORM BRIDGE PAINTING OPERATIONS AS FOLLOWS:
DO NOT WORK AT MORE THAN ONE BRIDGE LOCATION AT A TIME.
DO NOT INSTALL MORE THAN 1 LANE CLOSURE AT A TIME.


BRIDGE NO. 85 AND 86 US 70 OVER HOWELL DRIVE AND RAILROAD
FOR PAINT OPERATIONS OVER HOWELL RD., USE FLAGGER OPERATION LANE CLOSURES [TCP-4]. DO NOT PERFORM ANY WORK FROM ON TOP OF BRIDGE NO.S 85 AND 86.

BRIDGE NO. 91 US 70 EAST (W. MAIN ST.) OVER SLOCUM CREEK
FOR PAINT OPERATIONS OVER SLOCUM CREEK, USE SINGLE LANE CLOSURES ON US 70 FOR EQUIPMENT STAGING ON TOP OF BRIDGE, AS DIRECTED BY THE ENGINEER [TCP-5, TCP-6].


BRIDGE NO. 93 US 70 (E. MAIN ST.) OVER FORK OF SLOCUM CREEK
FOR PAINT OPERATIONS OVER FORK OF SLOCUM CREEK, USE SINGLE LANE CLOSURES ON US 70 FOR EQUIPMENT STAGING ON TOP OF BRIDGE, AS DIRECTED BY THE ENGINEER [TCP-7, TCP-8].

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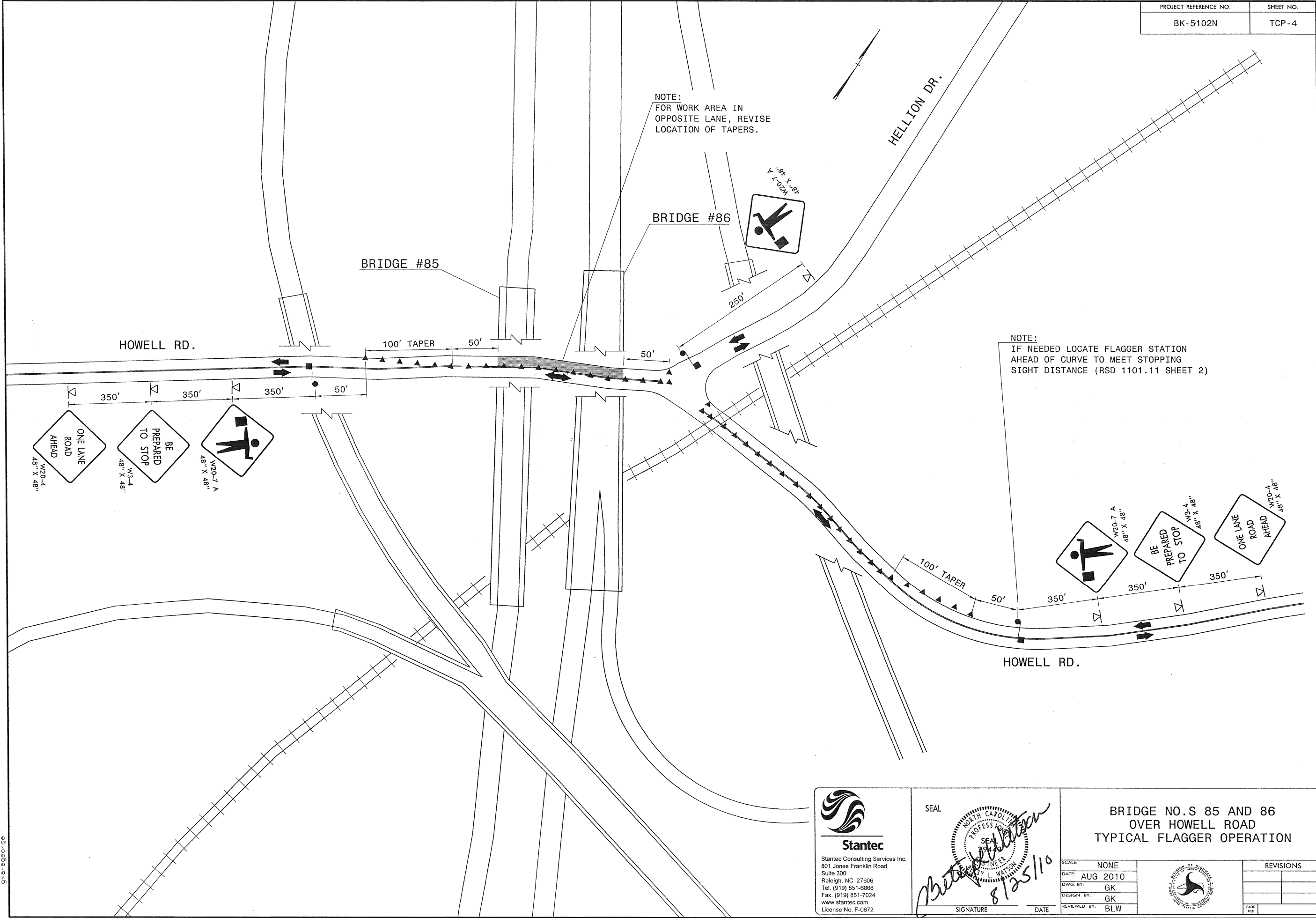

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VICINITY MAP AND
TRAFFIC CONTROL PHASING

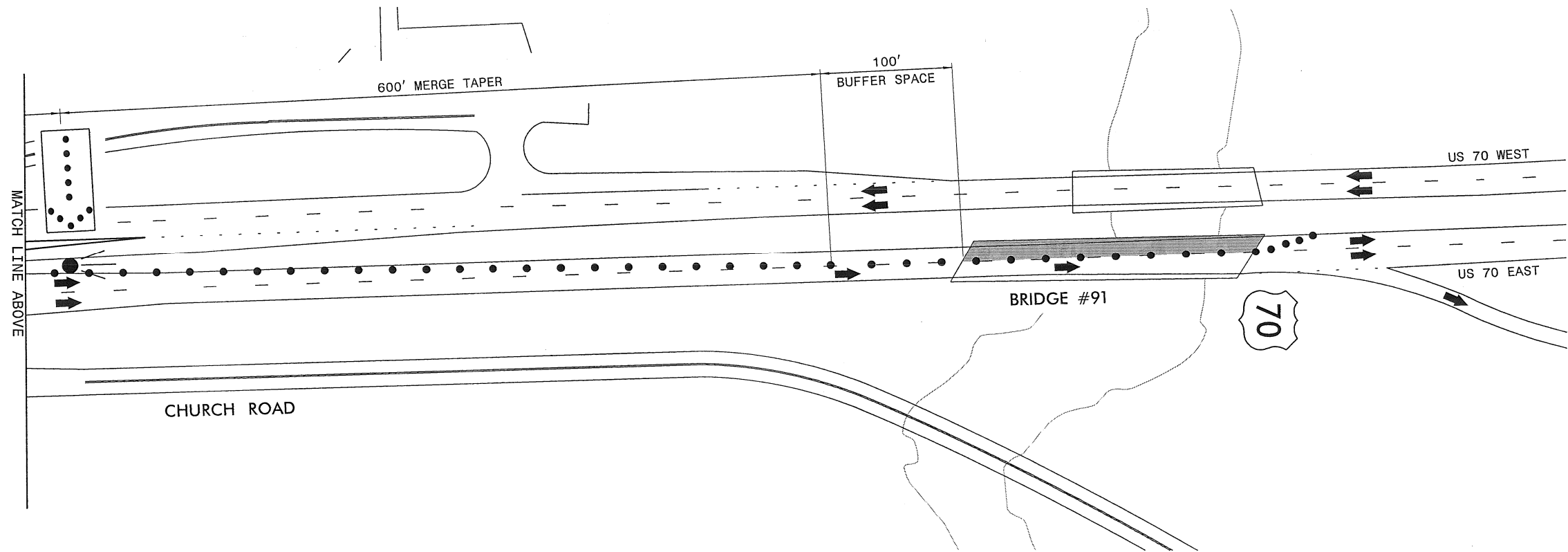
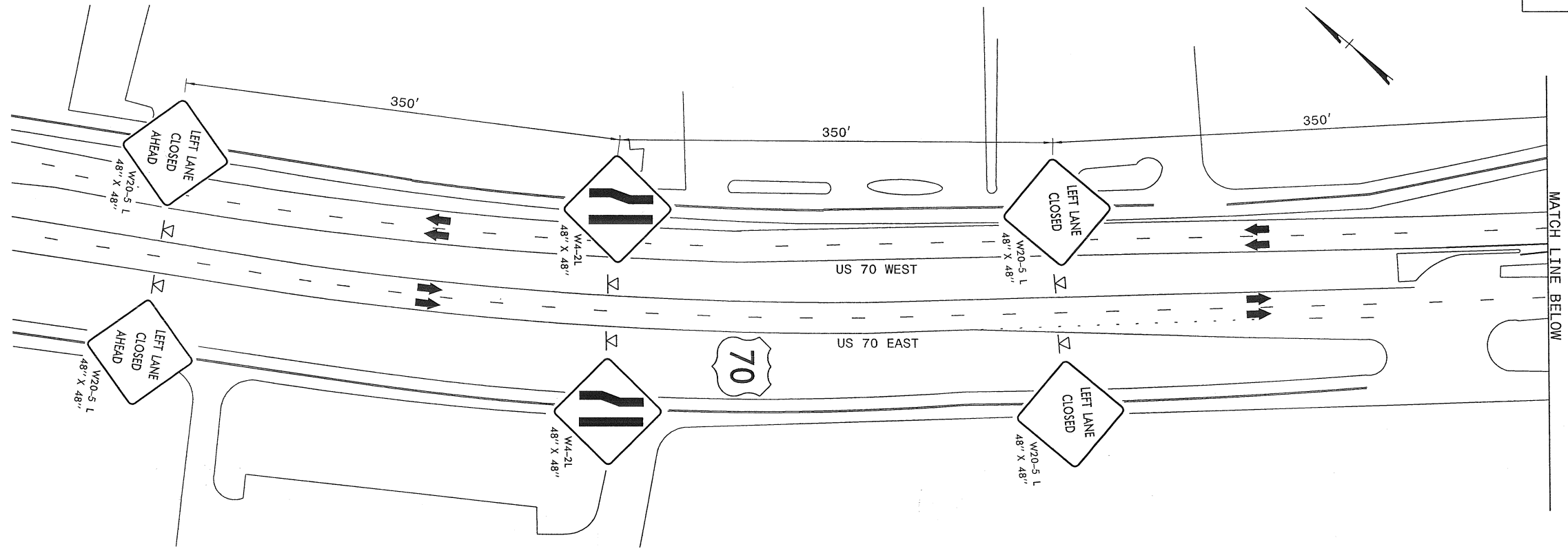
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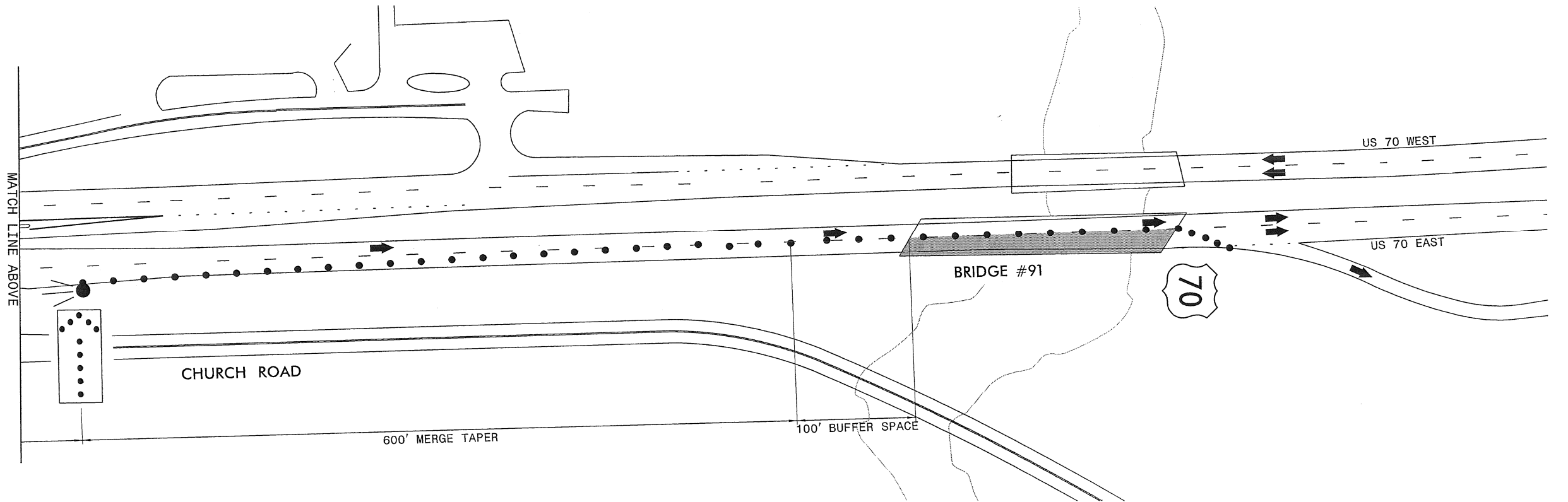
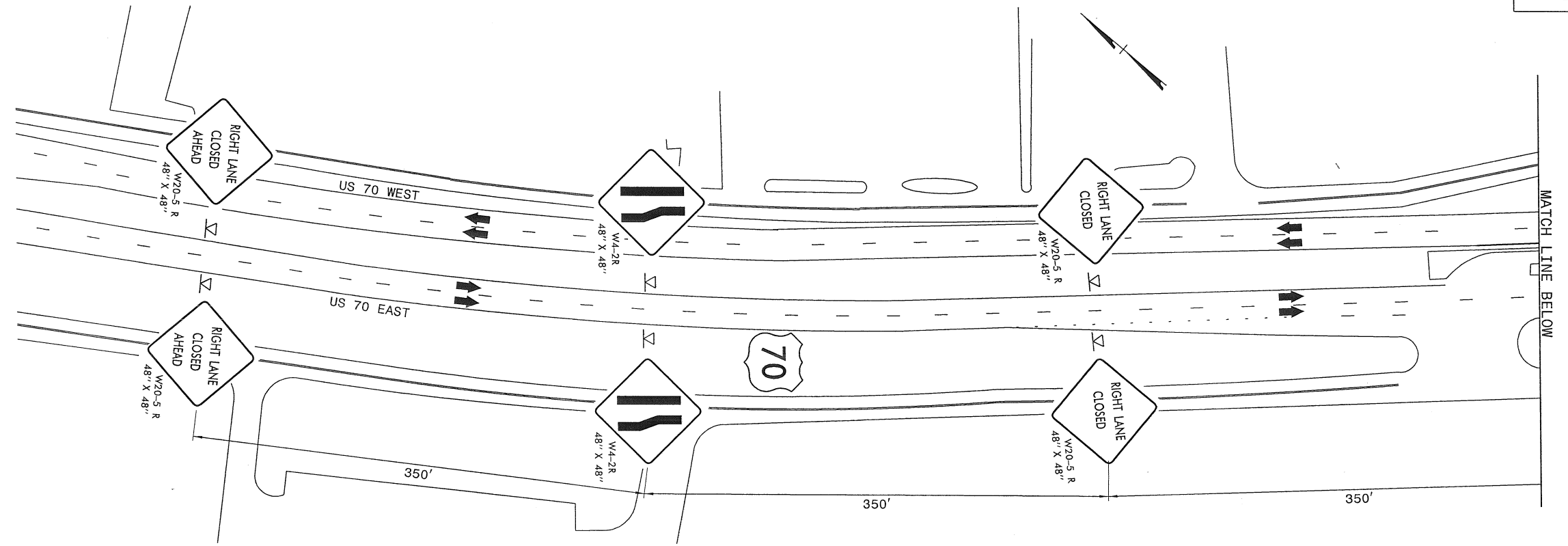
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SEAL
NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
SY L. WATSON
8/25/10
SIGNATURE
DATE

**BRIDGE NO. 91
US 70 EAST
LEFT LANE CLOSURE**

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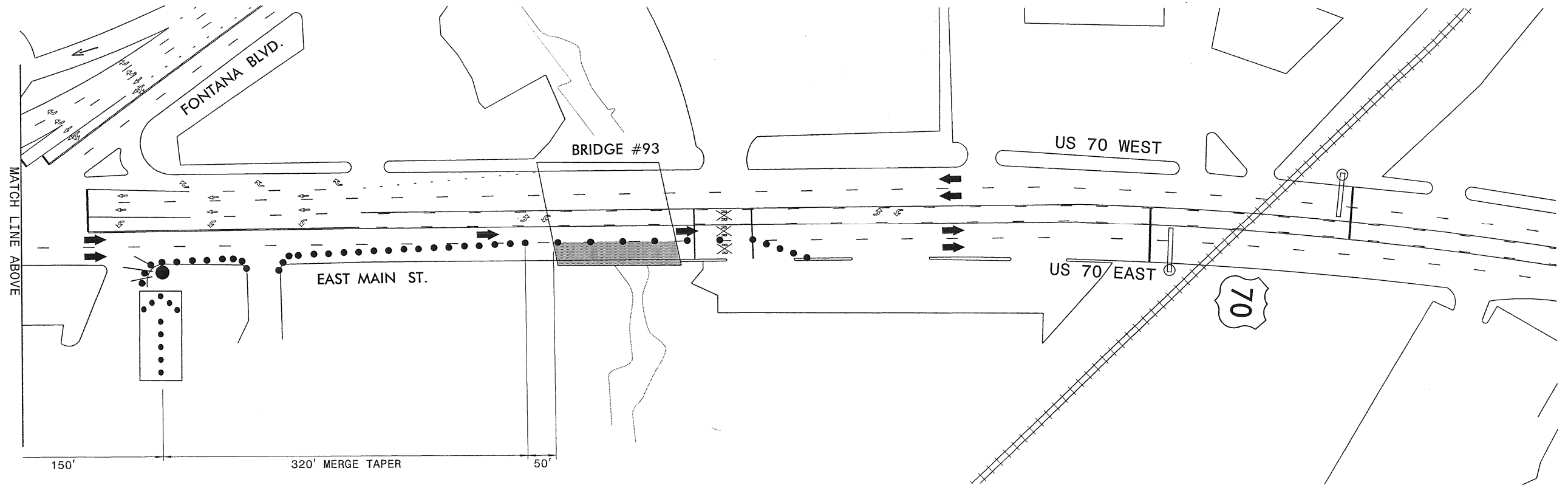
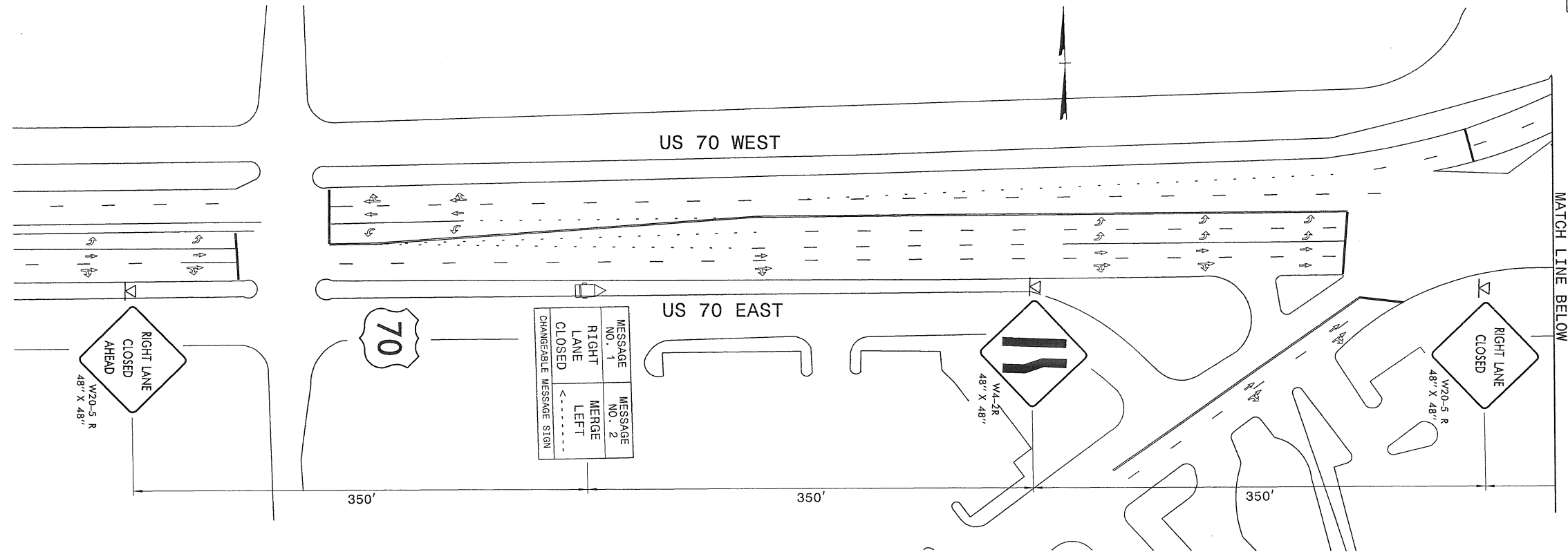
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 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 449
 JEFFREY L. WATSON
 8/25/10
 SIGNATURE DATE

**BRIDGE NO. 91
 US 70 EAST
 RIGHT LANE CLOSURE**

SCALE: NONE
 DATE: AUG 2010
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 DESIGN BY: GK
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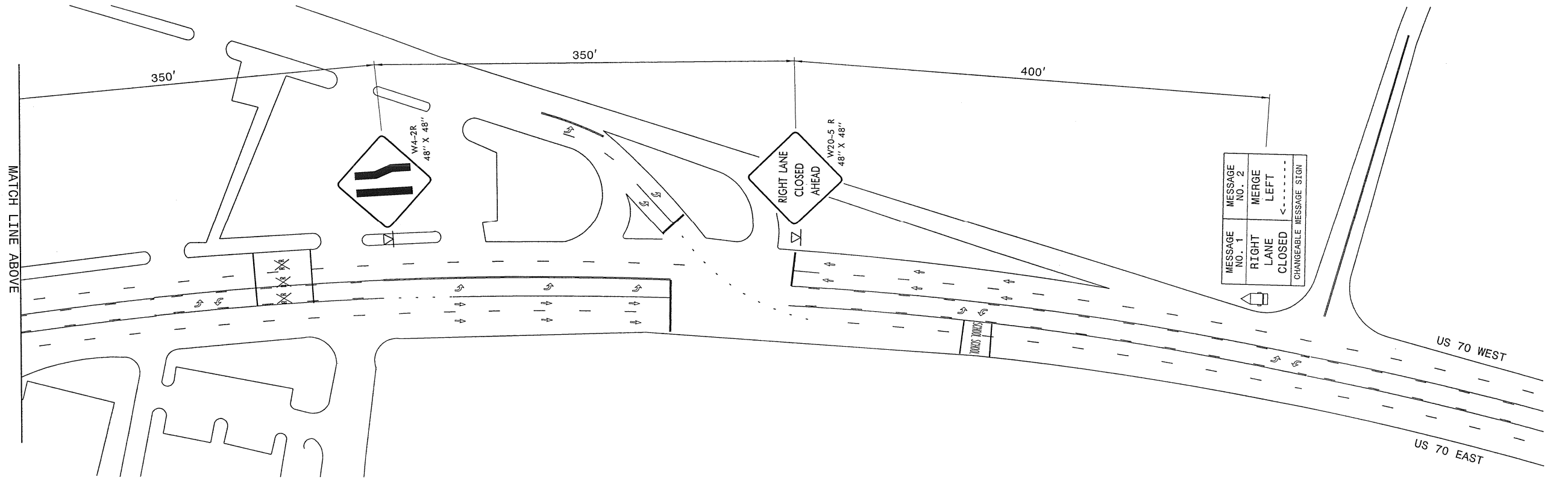
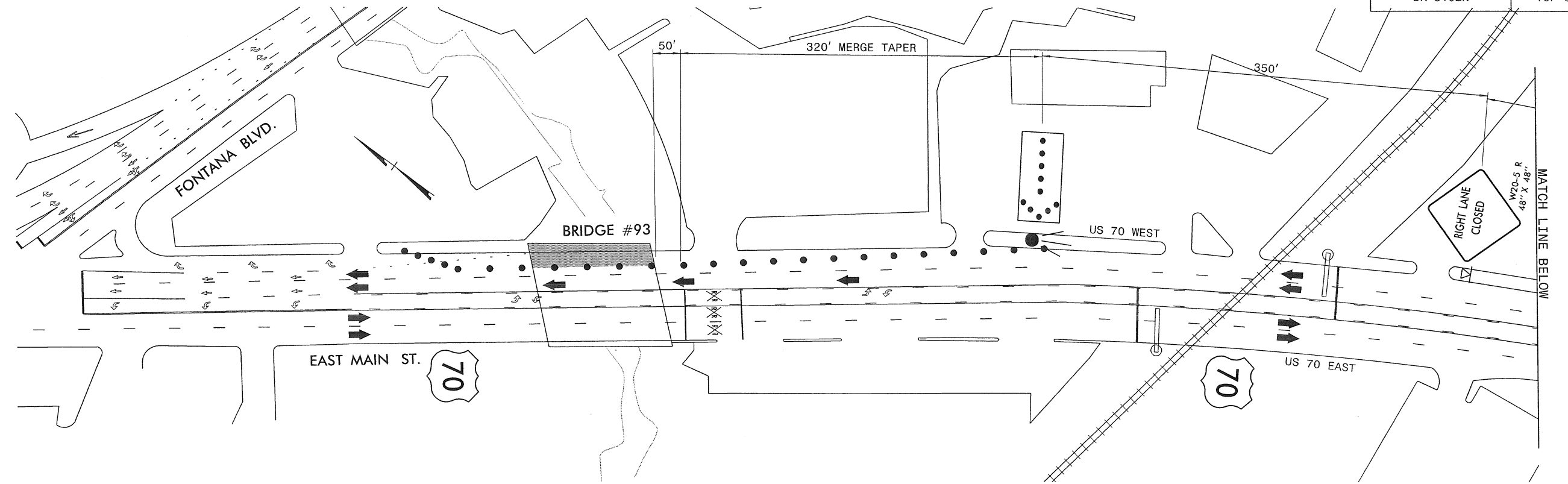


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